

# THE CARRIER

February 2002 <http://www.mdarc.org> <http://www.pacificon.org>

**Official Newsletter of the Mt. Diablo  
Amateur Radio Club**



## Shortage of Hams In Nation

In times of crisis the hams of our country are eager to throw their gear into the vehicle and get involved in emergency communications in any way that is needed. Many of us are "RACES trained" and welcome the chance to help out. In fact, this facet of amateur radio is a major reason we are granted such a wide variety of spectrum. The hikes, runs, swims and walks are all fun and important but I look on them as practice for the serious events like earthquakes, floods and attacks by "evil-doers". But as we all know, the average age of the amateur radio population is getting higher. So what can we do to bring more people into our important hobby? Where can we find groups of people in which to tell our story? Well, I just gave away the answer.

Many of us are members of groups....Rotary, church, Chamber of Commerce. We are scoutmasters, teachers, members of professional associations. Some of us even have friends and relatives that would love to talk on the radio if we would just offer. ..just the two of us....talking around the world to others. Remember how awesome it was when someone let you talk on the radio the first time! We need many more new hams to fill our ranks. The emergency work we do is vital to all sorts of agencies. It relieves them to do their jobs.

Here are some ideas on how and where to get others interested in our hobby.

Give a demonstration to the Scouts. They love gadgets. There is a radio merit badge and you can be the "kick off" for the troop. Give a talk to one of your service clubs. You know they are always looking for a speaker for their monthly or weekly meeting. We certainly have plenty of examples for them of the critical work we do during emergencies as well as the fun events. Give a talk at the local school. Talk about how radio waves travel—in a math, science or physics class. Talk in an English or history class about your DX contact and the impact it has on both people. Invite your child or grandchild or other relative to come over and do some "rag chewing". Let them experience the joy of the contact. I guess we are having too much fun and not going out and sharing our fun with others. Let them in on our secret. Be patriotic—grow a ham!

73, Terry

**General Meeting  
Friday February 15  
7:30 PM**

**John Wood, KF6HFA  
PSK31**

Our Savior's Lutheran Church  
1035 Carol Lane  
Lafayette CA

## What's inside

President's Message	1
Budget	4
Board Members	7
Calendar	Back

## Weekly Nets

Monday 8:00 PM SATERN Net Salvation Army 147.06  
Wednesday 7:30 PM ATV Cable Channel 58  
Thursday 7:30 PM Mt. Diablo Amateur Radio Club 147.06  
Thursday 8:00 PM ATV Cable Channel 58  
RACES and ATV Nets see page 3

Mount Diablo Amateur Radio Club  
Minutes of the Board of Directors Meeting on  
January 7th 2002

President Terry Matzkin, KE6WRE, opened the meeting at 7:31 p.m. in Emil Villa's in Concord. Present were Secretary Eoin O'Donoghue, KD4YEQ, Treasurer, Trevor Hall, WA6JAU, directors Howard Burk, KE6PTT, John Pascale, NN6E, John Schulze KR6CR, Jay Caldis, KT6Y, and Emergency Coordinator Harry Styron, K6HS, Technical Committee members Greg Estep, KE6VTA, Keith Lattin, N6PMF, Refreshments Chairman Dave McIntyre, KG6ACD, Social Chairman George Roush, WB6OFH, Field-day Chairman, Lauren Styles, WA6CIE. Also present were Tracy Schwartz KE6TOT, Liz Styles, KG6HLV, Dave Gordon, N6SWE, Bob Beard, KG6FPZ, Tim Barrett, K6BIV, and Dick Brown, KT6X.

Following a brief introduction by each attendee, Terry Matzkin gave a pep talk on his leadership style, his focus on bringing closure to issues and desire to get more done for the Club during this coming year.

Net-control for the weekly 7:30 PM Club net will now rotate with John Schulze (3 times/month) and Jay (once/month). Jay Caldis has been the net-control for over 15 years.

Bob Beard, Pam Styron and John Roland will take over editing The Carrier newsletter from Greg Estep, who is stepping down. The team is to determine who is Editor. There was a good discussion of ideas to reduce the expenses of producing and distributing The Carrier (currently running at \$15 of the \$20 Club membership fee): use email more, sell ad space, increase sponsorship, evaluate print & folding costs. The editorial team will work on this task and report back at the next meeting.

There was a discussion on the current club dues structure. A Dues committee consisting of Howard Burk, Eoin O'Donoghue, Dave McIntyre and John Pascale was formed to take the ideas discussed at the meeting and make preliminary recommendations for the next meeting.

Mike Burge resigned as VP and Dave McIntyre was appointed the new VP with full concurrence of the Board. Terry Matzkin recognized the great work Mike has done for the club.

A team of Dave McIntyre, Bob Beard, Jay Caldis, and Terry Matzkin was formed to determine ways to attract new members and increase participation of existing members. Eoin O'Donoghue will take over as Membership Chair from Sam Lipson. Eoin will take over maintenance of the Membership Database and provide information updates needed by Jay Caldis, Harry Styron and Trevor Hall.

The board decided that Field-day this year would be at Bethel Island. Lauren Styles, Field-day Chairman, was instructed to start the processing to obtain that site, to release our Mt Diablo reservation and also to inform Ed Richie in case Ed wants to reserve that time. Dave McIntyre and John Pagsale are also on the Field-day committee.

Club Meeting notices for publication: The board decided that the June club meeting will held at the Field-day site on June 21st, and the December club meeting will be held on December 13th.

The clubs digital answering machine is in place and the Pacbell answering service has been turned off.

The Technical committee advised that they had 3 projects in hand: Voters, the ATV, and 2 Meter Repeaters. The board authorized the committee's request to renegotiate the contact with ATS (tower owners) and to assess any other options as a prudent contingency.

Harry Stryon is to lead the purchase of an additional 50 pairs of magnetic signs.

Terry reminded the board that the 2002 budget had some very conservative assumptions and will be leveraged to mitigate the need to tap reserves, e.g. no membership growth assumed, no cost reductions assumed; spending all the

projected money assumed.

Harry Styron will generate flyers for the 1st Technician class, set for early March. Harry will give flyers to Board members to put up in their areas. Placements of flyers to include: Radio Shack, HRO, libraries, Shops, REI, AMR, Fire Dept, and Scouts. Bob Beard to keep in touch with REI.

Howard Burk/Eoin O'Donoghue to update the MDARC contact information on ARRL site.

Due to lack of space the minutes of the last board meeting didn't appear in the January edition of The Carrier. The minutes were approved subject to corrections given to Greg Estep. Terry adjourned the meeting at 10PM.

Respectfully submitted,  
Eoin O'Donoghue, KD4YEQ  
Secretary

### **List of Scheduled Activity for W6CX ATV**

SATURDAYS 8:00 AM	COFFEE NET
SUNDAYS 8:00 AM	COFFEE NET
WEDNESDAY 7:30 PM	ELECTRONICS CLASS WITH KF6IQL
THURSDAY 8:00 PM.	GENERAL ATV NET

### **RACES Nets Every Thursday at 19:00 hours**

Central County	Jim Brunk	N6BHX	145.680 /s
South County	Ed Ritchie	K6SFD	146.355 /+ 100pl
East County	Jim Tittle	KC6SOE	146.535 /s
West County	Rich Parker	KD6JCT	145.110 /-

MDARC  
General Meeting  
12/14/01

President Terry, KE6WRE opened the meeting at 7:37 pm.

Membership Chairman Sam, KO6JR, reminded everyone to be sure to send in their dues, and to choose to receive the Carrier by e-mail if possible.

Sam noted that there would be RACES training at the Pinole PD on Saturday from 9-12 a.m.

VE Jay, KT6Y, announced that 6 people took exams with the VE team and 4 passed.

Terry stated that the approved telephone answering machine had been purchased and would be installed soon.

Terry announced that:

- + January party tickets should be purchased at the back of the room,
- + the <sup>3</sup>new<sup>2</sup> MDARC web site was available at mdarc.org and encouraged visits,
- + magnetic signs were still available for \$35 pair.

Paul, N6JOX, as chairman of PACIFICON 2001, representing about 100 Pacificon staff, presented Terry with a check for the club of \$8500.

Vice President Michael, KG6CSJ, recognized those with birthdays in December.

Harry, K6HS, as Instructor, announced that classes would need space to meet. Anyone with info on space should contact Harry.

Howard, KE6PTT, asked for a show of hands of those that would be interested in receiving the Carrier by e-mail, and those that would just as soon receive it bi-monthly. There was some interest in both propositions.

Terry adjourned the meeting at 7:55 p.m. for a break, after which a program on the Baker to Vegas race was presented.

Respectfully submitted, Paul Dickey, N6JOX,  
Secretary



## **It's Adrenaline Time as 2002 Radio Communication Events Approach !**

*Pete Harris, MDARC Public Service Coordinator  
KE6ZIW, pharris125@attbi.com*

*Hi all!* We are approaching that exciting time of year when amateur radio public service events begin. Last year our club provided safety and emergency radio communications for 14 events, with approximately 60 of our members participating at least once during the year. The types of events are varied, with something to appeal to almost any ham operator. Last year's events included:

Walk-a-thons	Bike-a-thons
Parades	Firework shows
Competition bicycle races	Regional wilderness area trail rides
San Francisco Bay & Waterfront swimming/running/riding events	

All you need to take part in most of these events is a hand-held ham radio, an extra battery, some common sense and the ability to get your adrenaline flowing by working with a radio team to help coordinate and ensure safety for an event involving hundreds or thousands of people. You frequently go to absolutely beautiful places and settings, you get to learn how to use your radio equipment and its various capabilities in real-life situations, and you take part in the challenge of figuring out "on-the-fly" communications strategies as you face real-world obstacles. Once in a while you get the additional thrill of coordinating rescue efforts to someone who has gotten into trouble, or uniting a parent with a lost child, or providing information to a worried friend or relative about the status of a participant in the event.

The first two events specifically scheduled at this time are listed below. If you want to sign up, give me a call or email me at 925-228-4503 or pharris125@attbi.com. If you are new to this and want to break in gently, we can team you up with another ham. I'll will also be at MDARC meetings with sign-up sheets at the entrance to the meeting room.

### **MS Walk 2002**

4/6 or 4/7/02, Walnut Creek, Heather Farms Park area

### **2002 Top Hat Classic, 10, 25, 50, or 75 mile bike-a-thon**

4/27/02 Pleasanton/Castro Valley/Walnut Creek/Martinez

73's Pete Harris, KE6ZIW

2002 MDARC Budget  
Trevor Hall, WA6JAU  
Operating Income

Membership Dues	
MDARC 341 Members	\$6075
RRRC 187 Members	\$4790
Interest	\$400
Auction	\$800
Refreshments	\$200
Door Prize	\$1200
Misc Merchandise Sales	\$200
Education	\$500
Total Income	\$14,165
Operating Expenses	
Minimum Operating Expenses	
Advertising	\$387
Bank Charge	\$10
Carrier Printing approx \$226/mo	\$2712
Carrier Postage	\$650
Directory	\$575
Door Prizes	\$900
Membership Dues Expense	\$450
Liability Insurance	\$1198
State Filing Fees	\$30
Rent & Coffee \$75/mo	\$900
Badges	0
Patches & T-shirts	0
Office Expense	\$55
Telephone about \$45/mo	\$540
Speaker Gratuities	\$125
Subtotal	\$8532
Website Paid For 2 Years \$35 Per Year In 2001	0
Total Membership	\$8532
Repeater	
RRRC Operations	
Northgate and NARCC Dues \$ 270	
Insurance, Equipment \$ 625	
Telephone \$ 650	
*Tower Lease \$515 Per Month \$ 6180	
Maintenance \$1000	
Office Supplies and postage \$ 25	
Tower Climber \$1200	
Total Operations	\$9950
Capital Projects Authorized In 2002	
Voter System, \$ 1500	
ATV Controller \$ 500	
2 Meter Amp / Power Supply \$ 1000	
	\$3000
Total Repeater Operations	\$12,950
Auction Expense	\$100
Education	\$500
Field Day	\$400
Picnic	\$51
Holiday Awards Plaques	\$100
Holiday Decorations	\$100
Holiday Prizes	\$180
Holiday Food	\$0
Total Project Expenses	\$1,431
Total Expense	\$22,913

Total Projected Income \$14,165

Total Projected net with Capital Improvements of \$3000 -\$8,748

If We Receive Pacificon Income Of \$6000 The Budget Will Be -\$2748

\* Tower Lease In Carrier Based On \$515 Per Month. Present Lease Cost \$508  
After August \$524

\*\* Thanks To Membership For The High Percentage Of Repeater Members.

## **MDARC Board Meeting Minutes 12/3/2001**

President Terry Matzkin, KE6WRE opened the meeting at 7:31 p.m. Present at the meeting were: Vice-President Michael Burge, KG6CSJ, Secretary Paul Dickey, N6JOX, Treasurer Trevor Hall, WA6JAU and Directors Howard Burk, KE6PTT, Tracey Schwartz, KE6TOT and Mike Patterson, KE6JGA. Also present: Pacificon Steering Committee members Jay Caldis, KT6Y, Greg Estep, KE6VTA, Harry Styron, K6HS, and RRRG Committee member Keith Lattin, N6PMF as well as Refreshments Chairman Dave McIntyre, KG6ACD, Social Chairman George Roush, WB6OFH, Reggie Driscoll, WA6ZAP.

The previous month's minutes were approved as printed in the Carrier.

Keith noted the present status of the repeaters.

Trevor reported the treasury balances were: \$4944.33 in checking and \$17115.33 in reserves.

Greg Estep announced that PACIFICON would forward about \$8000 to the club treasury. Terry advised that award nominations for contributions to the club should be given to him. The Board discussed purchasing an telephone answering machine for the club phone line. The Board approved the purchase of a digital machine and the disconnecting of the PacBell answering service. Financial Committee Chairman Reggie Driscoll presented a report on the financial status and cash flow of the club, i.e. there have been more expenditures than revenue, including the payment from PACIFICON. The cash difference has been taken from the reserve. One noted example was the RRRG, where revenue from dues were about \$4800 and expenditures were about \$10000. There was general discussion of the dues structure, membership efforts, etc. Terry stated that he will appoint a committee to consider the dues, and a committee to oversee membership efforts. The Finance Committee will write a report of their findings to be published in the Carrier. There was further discussion on e-mailing of the Carrier. Trevor presented a revised tentative budget (draft revision 3). The Board approved it by a vote of 13-1, with Michael Burge dissenting. (The approved budget is attached.) Terry asked everyone to pay for the January club party, beginning now. Terry thankfully accepted Harry

Styron's offer to become the instructor for radio classes, and gave him the ARRL class material purchased by the club.

Dave McIntyre volunteered and was appointed as Property Manager for the club.

There was further discussion of the rewards of club membership. Keith described the IRLP system on repeaters to enable nation-wide discussions on 2m through the internet. The Membership Committee will discuss that.

The Board approved the purchase of \$1400 for more magnetic signs, as needed to fill orders. Reggie will monitor this project. Terry adjourned the meeting at 9:21 p.m.

Respectfully submitted,  
Paul Dickey, N6JOX,  
Secretary



## MDARC Board of Directors

Position	Who	How to find them
President	Terry Matzkin KE6WRE	925-820-5848 (h) myword@sprynet.com
Vice President	David McIntyre KG6ACD	925-625-1829 (h) prinz@pacbell.net
Secretary	Eoin O'Donoghue KD4YEQ	925-938-3867 (h) eoin@odonoghue.com
Treasurer	Trevor Hall WA6JAU	925-680-5209 (h) wa6jau@netzero.net
Emergency Coordinator	Harry Styron K6HS	925-945-6785 (h) k6hs@arll.net
Director at Large	Howard Burk KE6PTT	925-798-7208 (h) ke6ptt@bigfoot.com
Director at Large	John Schulze KR6CR	925-681-0552 (h) schulze2@ix.netcom.com
Director at Large	Jay Caldis KT6Y	925-939-1893 (h) pcaldis@earthlink.net
Director at Large	John Pascale NN6E	925-625-9356 (h) nn6e@arll.net
Membership Chair	Eoin O'Donoghue KD4YEQ	925-938-3867 (h) eoin@odonoghue.com
Carrier Editor	Greg Estep KE6VTA	925-830-8615 (h) grestep@attbi.com
PACIFICON	pacificon@pacificon.org	

**ANAHEIM, CA**  
(Near Disneyland)  
933 N. Euclid St., 92801  
(714) 533-7373  
(800) 854-6046  
Janet, KL7MF, Mgr.  
anaheim@hamradio.com

**BURBANK, CA**  
2492 W. Victory Bl., 91506  
(818) 842-1786  
(800) 854-6046  
Eric, KA6IHT, Mgr.  
Victory Blvd. at Buena Vista  
1 mi. west I-5  
burbank@hamradio.com

**OAKLAND, CA**  
2210 Livingston St., 94606  
(510) 534-5757  
(800) 854-6046  
Mark, W17YN, Mgr.  
I-880 at 23rd Ave. ramp  
oakland@hamradio.com

**SAN DIEGO, CA**  
5375 Kearny Villa Rd., 92123  
(858) 560-4900  
(800) 854-6046  
Tom, KM6K, Mgr.  
Hwy. 163 & Caramont Mesa  
sandiego@hamradio.com

**SUNNYVALE, CA**  
510 Lawrence Exp. #102  
94085  
(408) 736-9496  
(800) 854-6046  
Ken, K1ZKM, Mgr.  
So. from Hwy. 101  
sunnyvale@hamradio.com

**NEW CASTLE, DE**  
(Near Philadelphia)  
1509 N. Dupont Hwy., 19720  
(302) 322-7092  
(800) 644-4476  
Rick, K3TL, Mgr.  
RT.13 1/4 mi. So. I-295  
newcastle@hamradio.com

**PORTLAND, OR**  
11705 S.W. Pacific Hwy.  
97223  
(503) 598-0555  
(800) 854-6046  
Rich, N7FD, Mgr.  
Tigard-99W exit  
from Hwy. 5 & 217  
portland@hamradio.com

**DENVER, CO**  
8400 E. Iliff Ave. #9, 80231  
(303) 745-7373  
(800) 444-9476  
Joe, KD0GA, Mgr.  
John, N5EHP, Mgr.  
denver@hamradio.com

**PHOENIX, AZ**  
1939 W. Dunlap Ave., 85021  
(602) 242-3515  
(800) 444-9476  
Gary, N7GJ, Mgr.  
1 mi. east of I-17  
phoenix@hamradio.com

**ATLANTA, GA**  
6071 Buford Hwy., 30340  
(770) 263-0700  
(800) 444-9727  
Mark, K4VDO, Mgr.  
Doraville, 1 mi. no. of I-285  
atlanta@hamradio.com

**WOODBIDGE, VA**  
(Near Washington D.C.)  
14803 Build America Dr.  
22191  
(703) 643-1063  
(800) 444-4799  
Mike, N4MDK, Mgr.  
Exit 161, I-95, So. to US 1  
woodbridge@hamradio.com

**SALEM, NH**  
(Near Boston)  
224 N. Broadway, 03079  
(603) 898-3750  
(800) 444-0047  
Chuck, K4ANZ, Mgr.  
sales@hamradio.com  
Exit 1, I-93  
28 mi. No. of Boston  
saalem@hamradio.com

## 12 Store Buying Power!



### KENWOOD



**TS-2000** HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM
- 10W 1.2 GHz w/optional UT-20 module
- IF Stage DSP • Built-in TNC, DX packet cluster
- Backlit Front Key Panel

**Call Now For Low Intro Price!**



**TH-D7A(G)** 2M/440

- 2M/440 Dual Band
- Built-in 1200/9600 Baud TNC
- APRS Compatible
- DX Packet Cluster Monitor
- 200 Mems., CTCSS
- VC-H1 Messaging Control

**Call Now For Low Pricing!**



**TM-D700A** 2M/440 Dualband

- 50W VHF 35W UHF • Opt. Voice Synthesizer
- Receives 118-1300 MHz (cell blocked)
- Remote Head Inst. only (kit included)
- 200 Memories • Built In 1200/9600 baud TNC
- Advanced APRS Features
- DX Packet Cluster
- Tone Scan • GPS/VC-H1/PC Ports

### COAST TO COAST

**FREE SHIPPING**  
UPS - Most Items Over \$100



**Rapid Deliveries From  
The Store Nearest To You!**

### OAKLAND, CA

2210 Livingston St., 94606  
(510) 534-5757  
(800) 854-6046  
Mark, W17YN, Mgr.  
I-880 at 23rd Ave. ramp  
oakland@hamradio.com

### SUNNYVALE, CA

510 Lawrence Exp. #102, 94085  
(408) 736-9496  
(800) 854-6046  
Ken, K1ZKM, Mgr.  
So. from Hwy. 101  
sunnyvale@hamradio.com

### ICOM



**IC-706MkIIIG** HF/VHF Transceiver

- All mode HF/6M/2M/70CM
- 100W HF/6M, 50W/2M, 20W/440 MHz
- AF-DSP • Plug and Play Filters - No Soldering
- Easy-to-Navigate Menus

**Call For Low Pricing!**

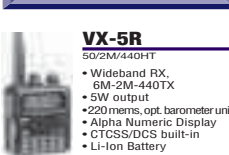


**IC-756 PRO** All Mode Transceiver

- 100W HF/6M • Newly designed 32 bit DSP
- 5 inch TFT color LCD • Digital IF filter with 41 passband widths
- 121 microphone equalized audio settings
- Multiple DSP controlled AGC loops
- Advanced CW functions
- Real time spectrum scope

**Call Now For The Ultimate Radio!**

### YAESU



**VX-5R**

- 50/2M/440HT
- Wideband RX, 6M-2M-440TX
- 5W output
- 220 mems, opt. barometer unit
- Alpha Numeric Display
- CTCSS/DCS built-in
- Li-Ion Battery

**Call For Low Price!**



**FT-100D** HF/6M/2M/70CM Trans.

- Compact Transceiver w/detachable front panel
- Rx 100kHz to 970mHz (cell blocked)
- Tx 100W 160-6M, 50w 2M, 20W 70CM
- Built-in DSP, Vox, CW keyer
- 300 Memories

**Call Now For Low Pricing!**

### ALINCO



**DJ-196T** 2M HT

- 5 Watt out
- 40 memories
- Alphanumeric Display
- CTCSS + DCS Built-in
- "S" Meter
- Auto Dialer

**CALL NOW FOR LOW PRICE!**



**DR-135TP** 2M Mobile

- 50 Watt out • Alpha Numeric Display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 Port
- CTCSS/DCS Encode/Decode built in



**FT-1000MP** HF Transceiver

- Enhanced Digital Signal Processing
- Dual RX
- Collins SSB filter built-in
- 100W, Power supply built-in

**Call Now For Low Pricing!**

## CALENDAR OF EVENTS

02/04/2002	7:30 PM	MDARC Board Meeting	Emil Villa's in Concord
02/15/2002	7:30 PM	MDARC General Meeting	
02/16/2002	8:00 AM	PACIFICON General meeting	Emil Villa's Willow Pass Rd
02/22/2002		Carrier Deadline	
03/04/2002	7:30 PM	MDARC Board Meeting	Emil Villa's in Concord
03/15/2002	7:30 PM	MDARC General Meeting	
03/16/2002	8:00 AM	PACIFICON General meeting	Emil Villa's Willow Pass Rd
02/29/2002		Carrier Deadline	

Carrier articles should be sent to Greg Estep <mailto:grestep@attbi.com>

## MDARC Repeaters

147.060 MHz + / PL 100 Hz  
224.780 MHz - / PL 77 Hz  
441.325 MHz + / PL 100 Hz

ATV: Input 1289.25 Mhz  
ATV: Output 427.250 MHz Cable Channel 58  
ATV: Output 1241.25 Mhz  
APRS: 144.39 MHz  
TCP/IP: 145.71 MHz

**The Carrier**  
**Newsletter of the Mt. Diablo Amateur Radio Club**  
**P.O. Box 23222**  
**Pleasant Hill, CA 94523**

<b>PRSRT STD</b> U.S. POSTAGE <b>PAID</b> CONCORD, CA PERMIT NO. 460
--

**Change    Service Requested**